

Inside Wallops

National Aeronautics and Space Administration
Goddard Space Flight Center
Wallops Flight Facility, Wallops Island, Va.

Volume XX-07 Number 28

July 30, 2007



Concept Personal Jet Takes Flight at Wallops



Eclipse Aviation Photo

Eclipse Aviation unveiled their newest creation, the prototype Eclipse Concept Jet, (ECJ), on opening day of the Experimental Aircraft Association's AirVenture 2007 held July 23-29 in Oshkosh, WI.

An engineering and production team from BaySys Technologies, headquartered in Accomac, Va., worked with Swift Engineering and Eclipse to carry the ECJ from concept to flight in about six months working from the BaySys Repair Station in Building D-1 Hangar at NASA Wallops Flight Facility. Airworthiness certification and flight tests were conducted at Wallops prior to the jet being ferried to Oshkosh.

The four-place, single engine jet has a max cruise speed of 345 knots, a service ceiling of 41,000 feet, a 1,250 nautical mile range,

stall speed of 61 knots, and can carry 186 gallons of fuel.

Eclipse's design philosophy is to provide tremendous operating efficiencies with unmatched performance capabilities.

The jet's aerodynamically efficient V-tail configuration enables superior handling, exceptional thrust capabilities and significantly reduced noise emission.

The company is using this new jet as a "concept car" version solely for market research. Eclipse will decide whether or not to go into production within 12 months, depending on the response from the market.

Eclipse Aviation is based in Albuquerque, N.M.

Wallops Shorts.....

In the Field

Wallops personnel are in Andenes, Norway, supporting the launch of two Terrier-Improved Orions from the Andoya Rocket Range.

The MASS (Dust MASS Analyzer) mission is to provide in-situ measurements of the number density and size distribution of the aerosol particles responsible for noctilucent clouds and polar summer mesospheric radar echoes and measurements of associated electric fields and electron densities.

To maximize the scientific return, flights will be made nearly coincident with observations of the Aeronomy of Ice in the Mesosphere satellite (AIM) and the Existence and Charge state Of Meteoric smoke particles in the middle Atmosphere (ECOMA) sounding rocket launches.

The ECOMA mission will involve the launch of three identical Nike-Improved Orion sounding rocket configurations to investigate properties of meteoric smoke particles in the upper mesosphere, their interaction with the ambient ionospheric D-region, and their relation to mesospheric ice particles

Participating scientists are from the University of Colorado (USA), University of Washington (USA), the Graz University of Technology (Austria), the MISU University of Stockholm (Sweden), Institute for Atmospheric Physics Kühlungsborn (Germany), University of Rostock (Germany), Norwegian Defence Research Establishment, University of Tromsø (Norway) and the University of Stockholm (Sweden).

The launch window runs from August 1 to August 20.

New Mexico

Another Wallops team is in New Mexico preparing for the launch of a Terrier-Black Brant from the White Sands Missile Range. A celestial attitude control system will be used in this night-time launch for scientists from the Johns Hopkins University, Baltimore, Md. There is a one day window, August 10.



Photo by Timothy Berman

On the Road

Magdi Said, (center) NASA Balloon Program Office, and Timothy Berman, Virginia Tech intern student, gave a presentation on scientific balloons and hands-on-activities for the "Reach for the Star" middle school camp at the University of Maryland, Eastern Shore on July 16.

EG&G Team has Good Showing in Softball League

EG&G Technical Services sponsored a brand new team in the Pocomoke Slow Pitch Softball League for the 2007 season.

Although they had never played as a team before, members of the Wallops Fire Department along with their families stepped up and joined the league playing for EG&G.

The EG&G team finished the first half of the season 0 for 10 and went to the

playoffs. They finished the season fourth in the standings. Not too shabby for a first time team.

This is another fine example of teamwork at Wallops.

Congratulations to the EG&G team that includes: Philip Kelly, David Kulley, Kevin Dennis, Heath Bodley, Chad Parks, Sean Bagwell, Jeremy Buyea, Robert Hill, Chris Hughes, Pam Taylor.



Photo courtesy David Kulley

Front row left to right: Pam Taylor, Danny Miller, Robert Hill, David Kulley, Philip Kelly Back row left to right: John Taylor Jr., Chris Hughes, Jeremy Buyea, Kevin Dennis, John Taylor Sr., Aaron Rock, Heath Bodley

For Rent

Chincoteague apartment available, spacious 2 bedroom, conveniently located near town center, available in September, \$550 + utilities, may be furnished. Call Jerry Doyon, leave a message (757) 894-5914 or 824-0530.

Technology Transfer Overview Course

August 16
9 a.m. to Noon
Building E-2 Training Room

Civil servants register at <https://saturn.nasa.gov>. Contractors can register by e-mailing: Dale.L.Hithon@nasa.gov or calling x66-2691.

For more information visit <http://ipp.gsfc.nasa.gov/NWS-Tech-training.html>

Changes to Leave Program

The administration of the Voluntary Leave Transfer Program (VLTP) and Advanced Sick Leave (ASL) programs has transitioned to the NASA Shared Services Center.

Application and medical documentation must be faxed to the NSSC instead of being submitted to the Human Capital Office.

Fax Leave Donor or Advanced Sick Leave requests to (866) 779-6772.

For questions or concerns regarding the VLTP or ASL program email: nssc-contactcenter@nasa.gov or call (877) 677-2123.

Lobster Fest

August 24 at the Rocket Club
Doors open at 4:35 p.m.
Tickets are available at the Exchange, Building E-2.



Property Disposal Office

Beginning today, July 30, all excess property forms should be sent to Maxine Little in the Property Disposal Office, Building 16W, Room S100, Mail Stop 279. Little can be reached on x66-7339.

It's easy to excess property by following these three steps:



Step 1: Complete the NEMS Transaction Document Form 1602 for controlled property or the

Report of Excess Property Form 20-9 for non-controlled property.

Step 2: Forward the completed form(s) to the Property Disposal Office at Greenbelt in either of two ways:

- Print the form, sign and date it, and fax it to the Disposal Warehouse, x66-0255, or

- Save the form to your hard drive, and send it as an attachment via E-mail to maxine.t.little@nasa.gov. Indicate in the body of the E-mail that you are excessing the property listed on the attached document.

Step 3: Secure the property in a locked area until it is picked up by Wallops EG&G personnel.



When you fill out the excess paperwork, don't forget to insert the location (building and room number) in Block 31 on the Form 1602 and under "Contact and Location for Pickup" on the Form 20-9. Do not list your location unless that is where the property is actually located.

Call Regina Waters at x1337 or Terry Ewell at x1133, if you have any questions.

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found on the NASA Wallops Flight Facility homepage: www.wff.nasa.gov

Editor
Asst. Editor

Betty Flowers
Rebecca Hudson